

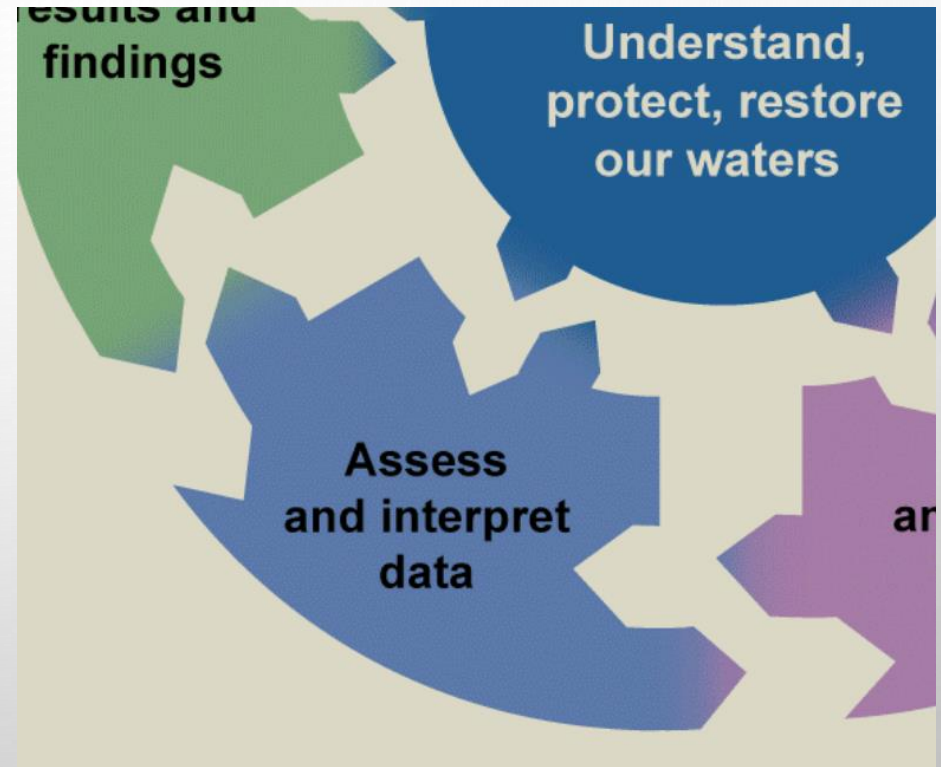
The background of the slide is a light gray gradient. It is decorated with numerous realistic water droplets of various sizes. Some droplets are large and prominent, while others are small and subtle. They are scattered across the slide, with a higher concentration in the top-left and bottom-right corners. The droplets have highlights and shadows, giving them a three-dimensional appearance.

WATER QUALITY STANDARDS AT NWQMC

A VERY BRIEF UPDATE

WATER QUALITY STANDARDS

- Why do we monitor?
- The importance of context
- Communication between “monitoring people” and “standards people”
- How can people use data from the Portal to meet environmental objectives?



WATER QUALITY STANDARDS

- Fact sheets on guidance values (currently underway)
 - Similar in depth and format to existing “Guide for Informed Decision Making” series
- Inventory of state and federal WQ standards
 - May be able to work through FSTRAC or WQSMA

WQS FACT SHEETS

1. Types of Guidance

- Antidegradation standards (CWA)
- Chemical-by-chemical vs. waterbody-by-waterbody
- Aquatic life vs. human health
 - Aquatic life for multiple species
 - Human health standards for multiple durations, mixtures, sensitive subpops., etc

WQS FACT SHEETS

2. Ecological/Aquatic Life standards and how they are developed

- Toxicological endpoints— chronic vs. acute
- Continuous concentration vs. max concentration (1985 NWQC for aquatic orgs.)
- State-level work on aquatic life standards

3. Human Health standards and how they are developed

- Toxicological endpoints
- Uncertainty Factors
- Water intake rates
- Exposure considerations (Relative Source Contribution factor, etc.)

WQS FACT SHEETS

4. Monitoring for standards development

- “Data-driven”
- Standards derived from long-term monitoring